

Vibration Monitoring and Machine Protection Systems

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CMCP1100HT Series Low Cost Accelerometer with High Temperature Integral Cable



Features:

- Low Cost Compact Accelerometer
- High Temp. FEP Jacketed Cable (200°C)
- 100mV/g ±5%
- 0.32Hz to 10kHz Frequency Response
- Waterproof, Epoxy Encapsulated
- UV and Oil Resistant
- Stainless Steel Case
- 5m, 10m and 20m Stocked Cable Lengths



Typical Applications

Fans, Motors, Pumps, Compressors, Centrifuges, Conveyors, Air Handlers, Gearboxes, Rolls, Dryers, Presses, Cooling, HVAC, Spindles, Machine Tooling, Process Equipment and many more.

Technical Performance

Mounted Base Resonance: >25 kHz (nominal)

Sensitivity: $100 \text{mV/g} \pm 5\% \text{ Nominal } 80 \text{Hz at } 22^{\circ}\text{C}$

Frequency Response: 1.5 Hz to 8 kHz $\pm 10\%$ (90cpm to 480kcpm)

 $0.32 \text{ Hz to } 10 \text{ kHz } \pm 3 \text{dB} (19.2 \text{cpm to } 600 \text{kcpm})$

Isolation: Case Isoalted

Measurement Range: ±50 g

Transverse Sensitivity: Less than 5%

Electrical

Excitation Voltage: 18 to 28 VDC
Electrical Noise: 0.1mg max
Current Range: 2 to 20mA
Bias Voltage: 8-12 Vdc
Settling Time: 2.0 Second
Output Impedance: <100 Ohms max.
Case Isolation: >108 Ohms at 500 Volts

Environmental

Operating Temperature Range: -65 to 250°F (-54 to 120°C)

Sealing: Epoxy Encapsulated

Maximum Shock: 7,000 g
Approvals: CE Approved

Mechanical

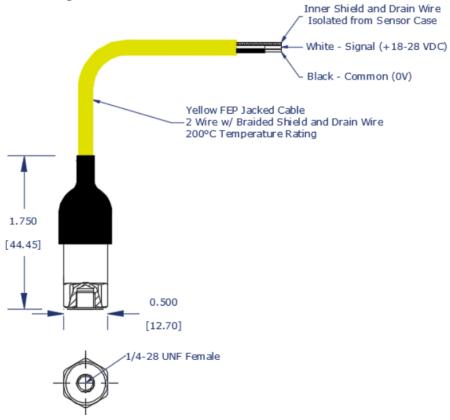
Case Material: Stainless Steel
Sensing Element: PZT/Shear
Mounting Torque: 5.9ft. lbs (8Nm)
Weight: 2.5 Oz (70.7 grams)

Cable Jacket: TPE

Cable Length: See Ordering Information

Cable Temperature Rating: 200°C (+392°F)
Mounting Thread: 1/4-28 UNF

Dimensions and Wiring



Ordering Information:

CMCP1100HT	-XX	-XX	-XX	Description
	-05			5 Meter (16') Integral Cable
	-10			10 Meter (32') Integral Cable
	-20			20 Meter (64') Integral Cable
		-00		Flying Leads (Bare Wire)
		-01		Female BNC Connector
		-02		Male BNC Connector
			-00	Standard FEP Jacketed Cable

Example Part Number: CMCP1100HT-05-00-00 (5 Meter Cable, Flying Leads, Standard Cable)

Similar Products



M12 Connector CMCP786A-M12



Submersible CMCP786A-IP



Integral Armored Cable CMCP786A-I